IMPORTANT! Read before operating this equipment!

CAUTION: The exclamation mark is to draw your attention to important instructions and safety procedures in this manual.

ATTENTION: The lightning flash warns you of the risk of electrical shock presented by components inside this product. Unauthorised personnel must not open this unit.

WARNING: To reduce the risk of electrical shock do not remove any unit covers or panels. There are no user serviceable parts in this product.

WARNING: To reduce the risk of electric shock, do not expose this equipment to rain or moisture.

HEED WARNINGS: All warnings on the product and in the operating instructions should be adhered to.

READ ALL THE INSTRUCTIONS: All the safety and operating instructions should be read before the product is operated.

RETAIN INSTRUCTIONS: The safety and operating instructions should be retained for future reference.

FOLLOW INSTRUCTIONS: All operating and use instructions should be followed.

CLEANING: Unplug this product from the mains before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

WATER AND MOISTURE: Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement; or near a swimming pool and the like. The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.

HEAT: The product should be situated away from heat sources such as radiators, stoves, or any other products (including amplifiers) that produce heat.

VENTILATION: Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

OBJECT OR LIQUID ENTRY: Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

ACCESSORIES: Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

ATTACHMENTS: Do not use attachments not recommended by the product manufacturer as they may cause hazards.

MOVING THE PRODUCT: A product and cart combination should be moved with care. Sudden stops, excessive force, and uneven surfaces may cause the product and cart to overturn.

POWER SOURCES: This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

OVERLOADING Never overload wall outlets, extension cords, or integral convenience receptacles. This can result in an increased risk of fire or electric shock.

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POWER CORD PROTECTION: Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

NAKED FLAMES: No naked flame sources, such as candles, must be placed on this product.

LIGHTNING: For added protection for this product during a lightning storm, or when it is left unattended or unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

CAUTION! POLARISED CONNECTOR (CANADA and USA): To prevent electrical shock, match wide blade of plug to wide slot, fully insert. Do not alter or remove this plug if it does not fit your mains power socket. Have a suitable socket installed by a competent electrician.

POWER SUPPLY:

Connect the moulded IEC connector of the AC cord supplied plugs into the power inlet ⑫ on the rear of the unit. The mains fuse ⑬ is on the rear panel next to the power switch. It must only be replaced as follows:

X Power	U.K. / Europe 230V T2AL/250V 20mm
X Power	N. America 115V T3.15AL/250V 20mm
8 Power, 6 Power	U.K. / Europe 230V T1AL/250V 20mm
8 Power	N. America 115V T1.6AL/250V 20mm

The mains supply requirement for your *Cyrus 6/8/X Power* is marked on a label on the rear panel. Before connecting, check that this voltage is the same as your mains supply.

230V Products:	Voltage Range	220V-240V
115V Products:	Voltage Range	110V-120V

If you move to an area with a different mains voltage, contact your local *Cyrus* distributor to have your product converted.

NOTE FOR UK CUSTOMERS:

The *6/8/X Power* is supplied with a power cable terminated by a fused 13A mains plug. This plug should not be removed but if it is removed, dispose of it safely and do not re-use it. To connect a new 13A plug, proceed as follows: Connect the brown wire to the terminal marked L or coloured red. Connect the blue wire to the terminal marked N or coloured black. The internal plug fuse should be 5A.

SERVICING:

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

CONDITIONS REQUIRING SERVICE: Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- When the power supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product has been dropped or damaged in any way.
- If the product does not operate normally by following the operating instructions. (Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage requiring extensive work by a qualified technician to restore the product to its normal operation).
- When the product exhibits a distinct change in performance.

REPLACEMENT PARTS: When replacement parts are required, be sure the service technician has used replacements specified by the manufacturer or have the same characteristics as the original part. Unauthorised substitutions may result in fire, electric shock, or other hazards.

SAFETY CHECK: Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

PRODUCT SERVICE CENTRES

For product service or technical advice, contact only authorised *Cyrus* service centres. The *Cyrus* distributors are listed at the end of this instruction manual

Welcome to the world of Cyrus!

Congratulations on your choice of *Cyrus* Hi-fi products. Our state-of-the-art design technology and outstanding quality of manufacture has won countless awards around the world. We are confident that you will derive great pleasure from owning a product from one of the most recognised and respected manufacturers of hi-fi equipment.

Please read these instructions carefully before commencing installation. They provide full guidance to help you install your *Cyrus 6 Power, 8 Power or X Power* safely and correctly.

Cyrus 6 Power, 8 Power & X Power model differences

These user instructions refer to the *Cyrus 6 Power, Cyrus 8 Power and Cyrus X Power* amplifiers. Model differences are indicated in the text where they occur.

Preparations for Installation

Before installing the *Cyrus 6/8/X Power* check that the following items are included in the accessory box.

- Guarantee Card (back page of instruction manual)
- Power Cable
- 2 MC-Bus phono cables
- 4 speaker plugs (certain markets only)

After removing these items, please retain the packing.

Install the *Cyrus6/8/X Power* in a well ventilated location away from sources of high temperature, dust or humidity. Never stand the *6/8/X Power* under another unit or on any surface likely to hamper its cooling or ventilation.

INSTALLATION - 6 Power

Key to the *6 Power* rear panel drawing *(Fig.1b)*

1. Right speaker output +	8. -
2. Right speaker output -	9. Left speaker output -
3. MC-Bus Connection	10. Left speaker output +
4 Right Chain Output	11. -
5. Left Chain Output	12. Power Inlet
6. Left Input	13. Mains Fuse
7. Right Input	14. Power Switch

Connecting to the AC Mains Supply

Connect the socket on the AC Power cable to the Power inlet ⑫ on the rear panel of the *6 Power*. Now connect the cable to a suitable AC power point.

The mains power switch ⑭ on the rear panel of the *6 Power* should be left on for normal operation, except when left unattended for a long period when it should be switched off or disconnected from the AC supply.

Input Connection

Connect a stereo phono interconnect from the output of the preamplifier to the *6 Power's* left and right inputs ⑥, ⑦. Be sure to observe colour coding of the plugs to keep left and right channels correctly ordered.

Loudspeaker Connection

Fitting the speaker plugs

Check for polarity indicators (+ and -) on the loudspeaker cable and fit the plugs provided. Observe any signal directionality markings indicated on the cable. If an arrow is printed on the cable it should point toward the loudspeaker. If additional or replacement speaker plugs are required for the *6 Power* ensure that the correct 'BFA' type are purchased.

Loudspeaker connection

Connect the left loudspeaker to the rear panel sockets ⑩ (red speaker plug) and ⑨ (black speaker plug) of the *6 Power*. Connect the right loudspeaker to the rear panel sockets ① (red speaker plug) and ② (black speaker plug) of the *6 Power*.

Dual outputs are provided for the convenient connection of bi-wiring speaker cables. Fig. 4a shows a wiring schematic for a bi-wired system.

Bi-amplification

For convenience of connection in applications such as Bi-Amplification the Chain outputs ④, ⑤ allow more than one *6 Power* to be connected to a Pre-Amplifier.

The Chain facility can be used with two or more *6 Powers* for Bi/Tri-amping by connecting the Chain output of the first *6 Power* to the inputs of the next *6 Power*. Such a system provides the sonic benefits of totally separate power amplification for the bass and treble units of the loudspeakers.

When adding additional *6 Powers* to a system, connect a quality RCA phono interconnect from the Chain output RCA jacks ④, ⑤ to the inputs ⑥, ⑦ of the new *6 Power*.

When the input connections to the new amplifier are complete, separate connections may be made to the bass and treble units of the system speakers. Fig. 4c shows a wiring schematic for a bi-amped system.

MC-Bus connection

Connecting the MC-BUS sockets ③ of the *6 Power* in an MC-BUS system provides unified system power control. An MC-BUS loop is established by connecting single phono cables from the MC-BUS output of one unit to the MC-BUS input of another in a daisy-chain. Complete the loop by returning the MC-BUS output of the final component to the MC-BUS input of the first (see example system connections in Fig. 3).

With MC-BUS established you can control the power function of the system from the front panel or remote control of the main *Cyrus* amplifier or Surround Processor.

INSTALLATION - 8 Power & X Power

Key to the *8 Power* & *X Power* rear panel drawing *(Fig.1a)*

1. Right speaker output + (- Speaker output mono)
2. Right speaker output -
3. MC-Bus Connection
4. Right Chain Output
5. Left/Mono Chain Output
6. Left/Mono Input
7. Right Input
8. Stereo/Mono selector switch
9. Left speaker output -
10. Left speaker output + (+ Speaker Output mono)
11. PSX-R Connection
12. Power Inlet
13. Mains Fuse
14. Power Switch

Connecting to the AC Mains Supply

Connect the socket on the AC Power cable to the Power inlet ⑫ on the rear panel of the *8/X Power*. Now connect the cable to a suitable AC power point.

The mains power switch ⑭ on the rear panel of the *8/X Power* should be left on for normal operation, except when left unattended for a long period when it should be switched off or disconnected from the AC supply**.**

External Regulated Power Supply - *PSX-R*

The *Cyrus PSX-R* is a unique DC power supply which will upgrade the sonic performance of your *8/X Power* and enhance its current drive. When a *8/X Power*/*PSX-R* combination is installed, analogue and signal related sections are powered from this clean, stable power source while other requirements are supplied internally. This ensures complete isolation of control circuits and sensitive analogue sections reducing AC mains-borne noise and power supply ripple.

To connect the PSX-R to the *8/X Power* plug the connector on the umbilical cord of the *PSX-R* into the Multi-Pole socket on the rear of the *8/X Power* (⑪ Fig.1b) You will need a mains supply for both units.

Two channel or Single channel high power operation

The *Power* may be configured as either a two channel (stereo) amplifier or as a single channel (mono) amplifier for higher power applications. The *8/X Power* is factory set for stereo operation.

Stereo systems

Stereo systems may be set up with either a single *8/X Power* set for two channel (stereo) operation or twin *8/X Powers* set for single channel (mono) operation.

Audio-Visual multi-channel systems

Both two channel and single channel high power modes may be employed for the multiple channel requirements of audio-visual systems. Two channel and single channel amplifiers may also be mixed in these systems if preferred, for example- three *8/X Power* amplifiers set for single channel (mono) operation to drive the Front Left, Right and Centre channels and a single Two channel (stereo) amplifier to drive both the left and right surround channels.

Note: Ensure all equipment is disconnected from the power before any connections or disconnections are made.

Input Connection

Two channel (stereo) operation

Set the STEREO/MONO switch ⑧ to Stereo. Connect a stereo phono interconnect from the output of the preamplifier to the *8/X Power's* left and right inputs ⑥ and ⑦. Be sure to observe colour coding of the plugs to keep left and right channels correctly ordered.

Single channel (mono) operation

When switched for single channel mono operation, twin *8/X Power* amplifiers are necessary in a stereo system – one for the left and one for the right channel.

Set the STEREO/MONO switch ⑧ on both amplifiers to Mono. Connect a single phono interconnect from the left output of the preamplifier to the 'M' Mono input ⑥ of the left channel *8/X Power*. Connect the right output of the preamplifier to the 'M' Mono input ⑥ of the right channel *8/X Power*.

Loudspeaker Connection

Fitting the speaker plugs

Check for polarity indicators (+ and -) on the loudspeaker cable and fit the plugs. Observe any signal directionality markings indicated on the cable. If an arrow is printed on the cable it should point toward the loudspeaker.

Two channel stereo speaker connections

Connect the left loudspeaker to the rear panel sockets ⑩ (red speaker plug) and ⑨ (black speaker plug) of the *8/X Power*. Connect the right loudspeaker to the rear panel sockets ① (red speaker plug) and ② (black speaker plug) of the *8/X Power*.

Dual outputs are provided for the convenient connection of bi-wiring speaker cables. Figure 4a shows a wiring schematic for a bi-wired stereo system.

Single channel mono speaker connections

Connect the left loudspeaker to the left *8/X Power* using the panel sockets marked M+ ⑩ (red speaker plug) and M- ① (black speaker plug).

Repeat this procedure to connect the right channel speaker to the right channel *8/X Power*. Fig 4b shows a wiring schematic for a bi-wired system using mono amplifiers.

Audio-Visual multi-channel systems

Connect each *8/X Power* in turn to the system speakers, following the two channel or single channel instructions above, as appropriate.

Bi-amplification

For convenience of connection in applications such as Bi-Amplification the Chain outputs ⑤ and ④ allow more than one *8/X Power* to be connected to a Pre-Amplifier.

The Chain facility can be used with two or more *8/X Powers* for Bi/Tri-amping by connecting the Chain output of the first *8/X Power* to the inputs of the next *8/X Power*. Such a system provides the sonic benefits of totally separate power amplification for the bass and treble units of the loudspeakers.

When adding additional *8/X Powers* to a system, connect a quality RCA phono interconnect from the Chain output RCA jacks ⑤ and ④ to the inputs ⑥ and ⑦ of the new *8/X Power*. For single channel (mono) chain installations, connect the 'M' chain output ⑤ of each Mono amplifier to the 'M' Mono inputs ⑥ of the new amplifiers.

When the input connections to the new amplifier are complete, separate connections may be made to the bass and treble units of the system speakers. Fig 4c shows a wiring schematic for a bi-amped system using stereo amplifiers.

MC-Bus connection

Connecting the MC-BUS sockets ③ of the *8/X Power* in an MC-BUS system provides unified system power control. An MC-BUS loop is established by connecting single phono cables from the MC-BUS output of one unit to the MC-BUS input of another in a daisy-chain. Complete the loop by returning the MC-BUS output of the final component to the MC-BUS input of the first (see example system connections in Fig.3).

With MC-BUS established you can control the power function of the system from the front panel or remote control of the main *Cyrus* amplifier or Surround Processor.

OPERATION - 6 Power, 8 Power & X Power

Key to the front panel drawing *(Fig.2)*

1. Standby Switch
2. Standby Light
3. Mono Light *(8 Power & X Power only)*

Switching On

The mains power switch ⑭ on the rear panel of the *6/8/X Power* should be left on for normal operation, except when left unattended for a long period when it should be switched off or disconnected from the AC supply.

When power is applied, the STANDBY key ① may be used for power control. The Standby light ② shows red when the *6/8/X Power* is in Standby and green when operational.

In addition to manual power control from the STANDBY key, the *6/8/X Power* also features a music sensing automatic power control which listens for the presence of an input signal and will switch on if music begins to play. If the *6/8/X Power* has been activated in this way it will reset to Standby five minutes after the music has stopped.

Remote power control can also be enabled by connecting the MC-Bus sockets ③ of the *6/8/X Power* to a *Cyrus* system which includes a Preamplifier, Integrated amplifier or Surround decoder. A number of *6/8/X Powers* may be connected in this way to provide remote standby control of all the system power amplifiers.

Disabling the Music Sensor

In some installations a number of *6/8/X Power* amplifiers may be driven from a single preamplifier source to feed loudspeakers in several extension rooms. In systems such as these it may be preferable to disable the Music Sensor to prevent all amplifiers switching on when music commences.

The user can disable the Music Sensor by holding the front panel Standby key whilst switching on the unit at the rear. The amplifier will now respond only to the front panel standby button and MC-Bus commands. The Music Sensor will remain disabled until power is next disconnected from the unit.

The Music Sensor may also be permanently disabled by returning the *6/8/X Power* to your retailer or the Cyrus factory for an internal adjustment.

NOTE:- If MC-Bus connections are made to the *6/8/X Power* the music sensor is disabled automatically.

FRONT PANEL INDICATORS – 8 Power & X Power

MONO Indicator

The MONO Indicator ③ will glow red if the rear panel STEREO/MONO switch ⑧ is set for MONO Operation. This switch can be operated only when the *8/X Power* is in Standby. Operating it at any other time activates the fault indication system.

TROUBLESHOOTING GUIDE

If your *6/8/X Power* is not operating properly, disconnect the power and check all connections using the notes in this manual. If problems persist, the checklists below may help.

If you are in any doubt, consult your dealer.

No sound from either speaker	
Preamplifier mute switch is on	Deselect Mute
Loudspeakers are disconnected	Check speaker connections
Fault indication on the front panel of your *6/8/X Power*	See 'Fault Indication System'
No sound from one loudspeaker	
Does your speaker have fuses?	Check speaker, replace fuses
Speaker cables or interconnects faulty	Check connections, cables - replace if needed
Mono installations:	Check connections are correct to input and output of both amplifiers.
Poor quality sound in two channel stereo mode *(8/X Power)*	
Selector switch incorrectly set to mono	Set the switch to stereo
Poor quality sound in single channel mono mode *(8/X Power)*	
Selector switch incorrectly set to stereo	Set the switch to mono
Speakers plugs not connected to the correct terminals	Check all speaker connections carefully

FAULT INDICATION SYSTEM

The *6/8/X Power* has a powerful protection system and fault indication system designed to prevent damage to your hi-fi system and help you diagnose a possible problem. If a fault persists, reset the amplifier via the rear panel mains switch.

FAULT INDICATIONS

Standby light flashing Green / Yellow	
This indicates overload in at least one channel. If the problem is temporary (e.g. excessive volume), normal operation will resume after ten seconds. If the fault indication persists, there may be a problem with the speakers or connections.	Switch off the power at the rear panel and unplug the speaker cables. If the fault indication clears when power is re-applied, check the loudspeakers, cables and plugs for loose strands of wire causing a possible short circuit.
Standby light flashing Green	
A fault has been reported from the *PSX-R (8/X Power)*	Switch off the power to the *8/X Power* and the *PSX-R* Switch on again. If the problem does not clear, return both units to your *Cyrus* distributor for checking.
The *PSX-R* is disconnected or switched off. *(8/X Power)*	Check there is power to the *PSX-R* and check the *PSX-R* connection to the *8/X Power*.
Standby light flashing Yellow / Red	
The *6/8/X Power* has over heated.	Check the ventilation around the *6/8/X Power*. Allow the unit to cool down before re-applying power.
MONO light flashing *(8/X Power)*	
The STEREO/MONO switch has been changed whilst the amplifier is operating.	Return the switch to its original position.

If after taking remedial measures a fault condition remains, you should return the *6/8/X Power* to your *Cyrus* appointed dealer or an authorised Service Centre.

SPECIFICATIONS

Power Supply

Voltage:		As plate on rear of unit

Power Consumption

Standby		6W
ON (No Load)		16W
Max	6 Power	300W
	8 Power	300W
	X Power	360W
EMC & Safety Compliance (230V)		CE
EMC & Safety Compliance (115V)		FCC, cCSAus

Enclosure

Dimensions (WxHxD)		215 x 75 x 365mm
Weight	6 Power	4.3Kg
	8 Power	4.3Kg
	X Power	5.6Kg
Material		Die cast chassis

Audio Performance 6 Power

Input Sensitivity (50W/8Ω)		381mV
Input Impedance		20kΩ
Channel Balance		0.1dB
Frequency Response	-3dB	0.2Hz-100kHz
Signal to Noise Ratio (A-WTD)	Unwtd	107dB
(Ref 50W)	A-wtd	114dB
Signal to Noise Ratio (A-WTD)	Unwtd	90dB
(Ref 1W)	A-wtd	97dB
Output Power	8 Ohms	50W
THD+N (@ 2/3 full power)	20Hz-20kHz	0.01%
	1kHz	0.0015%

Audio Performance 8 Power

Input Sensitivity (60W/8Ω)		413mV
Input Impedance		20kΩ
Channel Balance		0.1dB
Frequency Response	-3dB	0.1Hz-100kHz
Signal to Noise Ratio (A-WTD)	Unwtd	108dB
(Ref 60W)	A-wtd	115dB
Signal to Noise Ratio (A-WTD)	Unwtd	90dB
(Ref 1W)	A-wtd	97dB
Output Power Stereo (Internal PSU)	8 Ohms	60W
Output Power Mono (Internal PSU)	8 Ohms	110W
Output Power Mono (with PSX-R)	8 Ohms	125W
THD+N (@ 2/3 full power)	20Hz-20kHz	0.01%
	1kHz	0.0015%

Audio Performance X Power

Input Sensitivity (60W/8Ω)		413mV
Input Impedance		20kΩ
Channel Balance		0.1dB
Frequency Response	-3dB	0.1Hz-100kHz
Signal to Noise Ratio (A-WTD)	Unwtd	108dB
(Ref 60W)	A-wtd	115dB
Signal to Noise Ratio (A-WTD)	Unwtd	90dB
(Ref 1W)	A-wtd	97dB
Output Power Stereo (Internal PSU)	8 Ohms	70W
Output Power Mono (Internal PSU)	8 Ohms	120W
Output Power Mono (with PSX-R)	8 Ohms	130W
THD+N (@ 2/3 full power)	20Hz-20kHz	0.01%
	1kHz	0.0015%

Cyrus reserves the right to change specifications without notice. E&OE.

WARRANTY

The warranty card enclosed should be completed by the Dealer and the purchaser and returned to *CYRUS* or its Distributor within 8 days of purchase. No Dealer or Distributor may vary the terms of this warranty which is personal to the original Purchaser and is not transferable.

Please retain the sales receipt as proof of purchase.

Warranty claims must wherever possible be made through the Dealer from whom the equipment was purchased.
This warranty excludes:

- Damage caused through neglect, accident, misuse, wear and tear, or through incorrect installation, adjustment or repair by unauthorised personnel. Any unauthorised servicing will result in loss of guarantee.
- Liability for damage or loss occurring in transit to or from the purchaser.
- Consequential damage, loss or injury, arising from or in conjunction with this equipment.

Equipment for attention under warranty should be consigned return carriage paid. If returned equipment is found to comply with the published specification, *CYRUS* reserves the right to raise a charge.

The above conditions do not affect your statutory rights as a consumer.